January 1 - December 31, 2024 Antibiograms - Outpatients
Percent Susceptible (%S[1])

Gram Negative Isolates

Saint Francis Healthcare System
211 Saint Francis Drive
Cape Girardeau, MO 63703

Organism	Number of Isolates	B-lactams: Penicillins			Cephalosporins						Carbapenems		Mono-bactam	Aminoglycosides			FQ			Other			[2]Number of Urinary Isolates
		Ampicillin	Ampicillin/Sulbactam	Pipercillin/tazobactam	Cefazolin	Cefepime	Cefotaxime	Cefoxitin	Ceftriaxone	Ceftazidime	Ertapenem	Meropenem	Aztreonam	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Tetracycline	Tigecycline	Trimethoprim - sulfamethoxazole	Nitrofurantoin[2]	
Acinetobacter baumannii	+																						
Citrobacter freundii	95	R	R	97	R	98	77	R	75	76	98	100	75	100	95	96	83	89	82	100	87	93	85
Citrobacter koseri	52	R	100	100	96	100	100	98	100	100	100	100	96	100	100	98	92	94	94	100	96	79	48
Enterobacter cloacae	121	R	R	89	R	91	78	R	69	77	92	100	79	100	97	97	93	97	87	97	83	35	100
Escherichia coli	3074	60	66	99	78	99	99	98	99	99	99	99	99	99	94	96	81	85	81	100	79	98	2999
Escherichia coli, ESBL	304	R	23	98	R	R	R	85	R	19	99	99	R	99	57	55	30	50	32	99	35	92	291
Klebsiella aerogenes	78	R	R	95	R	96	83	R	78	82	100	100	83	100	99	99	96	97	95	100	97	31	72
Klebsiella oxytoca	104	R	75	96	20	93	96	98	95	98	100	100	92	99	97	96	94	97	92	100	94	94	87
Klebsiella pneumoniae	624	R	86	98	92	99	99	96	99	99	99	99	99	100	99	99	93	97	85	99	93	52	597
Klebsiella pneumoniae, ESBL	36	R	R	64	R	R	R	69	R	6	89	97	R	100	53	33	8	56	22	86	19	34	32
Morganella morganii	89	R	12	100	R	98	87	84	81	81	100	100	76	100	89	96	73	78	48	R	80	R	71
Proteus mirabilis	363	90	96	100	74	99	100	98	99	99	100	99	96	99	98	98	83	84	R		86	R	310
Providencia rettgeri	31	19	52	97	10	94	94	100	94	33	94	100	55	100	97	100	94	90	R	R	87		+
Pseudomonas aeruginosa	272			93		92				93		93	85			97	84	81					
Salmonella spp.	+																						
Serratia marcescens	53	R	R	70	R	89	58	R	60	57	96	100	62	98	98	79	89	94	9	100	98	R	34
Shigella spp.	+																						
Stenotrophomonas maltophilia	+																						

Haemophilus influenzae % Beta Lactamase Positive = 41% (N = 29)

Gram Positive Isolates

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Cape Girardeau, MO 63703

Organism	Number of Isolates	B-lactams: Penicillins				Cephalosporins					Aminoglycosides			FQ		Macrolide			Other								[3] Number of Urinary Isolates
		Ampicillin	Amox/ K Clav	Penicillin[3]	Oxacillin	Cefazolin	Cefepime	Cefotaxime[3]	Ceftaroline	Ceftriaxone[3]	Gentamicin	Gentamicin Synergy	Streptomycin Synergy	Ciprofloxacin	Levofloxacin	Azithromycin	Erythromycin	Tetracycline	Tigecycline	Clindamycin	Daptomycin	Linezolid	Rifampin	Trimethoprim - Sulfamethoxazole	Vancomycin	Nitrofurantoin[2]	
Enterococcus spp.	91	100		100								84	89	80	91		45	34			100	100			100	99	80
Enterococcus faecalis	350	100		100								87	89	86	91		23	20	100		99	99			100	99	272
Enterococcus faecalis - Vancomycin Resistant (VRE)	+																										
Enterococcus faecium	+																										
Enterococcus faecium - Vancomycin Resistant (VRE)	+																										
Staphylococcus aureus - Methicillin Sensitive (MSSA)	270	R		22	100	99			100	100	96			87	90		50	90	100	74	100	100	99	99	100	100	43
Staphylococcus aureus - Methicillin Resistant (MRSA)	238	R		R	R	R			99	R	99			42	45		12	86	99	78	99	100	98	99	99	100	37
Staphylococcus epidermidis	193	R		R	37	37				37	96			74	74		36	77	100	55	100	100	97	67	100	99	124
Staphylococcus hominis	36	R		14	42	42				42	97			72	72		31	72		36	100	100	100	64	100		+
Streptococcus agalactiae	225			99											100		21	13		47	100	100					
Streptococcus pneumoniae[3]	38		97	66			97	89		95					100			79						63	100		

[1]The %S for each organism/antimicrobial agent combination was calculated by including only the first isolate of that organism recovered from a given patient during the time frame analyzed.

2: For use in Urinary Tract Infections Only. Number of urinary isolates.

3: Penicillin, Cefotaxime, Ceftriaxone and Meropenem - Breakpoints utilized are for CNS infections only and are lower than non-CNS infection breakpoints. Resistance may be higher than expected due to this.

Symbols:

-, drug not tested or drug not indicated.

+, indicates < 30 isolates for the year and data not listed.

R = Intrinsic resistance

FQ = Fluoroquinolones

ESBL = Extended spectrum beta-lactamase

MSSA = Methicillin Susceptible Staphylococcus aureus

MRSA = Methicillin Resistant Staphylococcus aureus

Reference: Clinical and Laboratory Standards Institute - M39 Analysis and Presentation of Cumulative Antimicrobial Susceptibility Test Data, 5th Edition.